

ABSTRACT OF THE DISCLOSURE

Program instructions in the form of Java bytecodes may be subject to fixed
5 mappings to processing operations or programmable mappings to processing
operations. A system is provided with a fixed mapping hardware interpreter, a
programmable mapping hardware interpreter and a software interpreter. The fixed
mapping hardware interpreter is able to provide high speed interpretation of the
common and simple bytecodes. The programmable mapping hardware interpreter is
10 able to provide high speed interpretation of the simple and performance critical
programmable bytecodes with the remaining bytecodes and more complicated
bytecodes being handled by the software interpreter.

15 [Figure 11]